



## Features

- 12.1" 600nits 1024 x 768 flat-bezel LCD with LED backlight
- Supports projected capacitive touchscreen or 5-wire resistive type touchscreen
- Built-in two 3W speakers and microphone
- GbE LAN for high speed network applications
- One 204-pin DDR3 SO-DIMM slot (system max. 4GB)
- Wi-Fi 802.11b/g/n high speed wireless
- EM or Mifare RFID reader
- IP 64 compliant front panel
- Auto-dimming control
- Built-in 2 megapixels webcam with AF AE and AWB capabilities
- Wide range 9~36 VDC input



## Specifications

	Model	AFL2-12A-HM65
LCD Specifications	Size	12.1"
	Resolution	1024 (W) x 768 (H)
	Brightness (cd/m <sup>2</sup> )	600
	Contrast Ratio	700:1
	LCD Color	16.2 M
	Pixel Pitch (mm)	0.240 (H) x 0.240 (V)
	Viewing Angle (H-V)	160° / 140°
	Backlight MTBF	50000 hrs (LED backlight)
Touch	Touch Screen	5-wire resistive type with RS-232 interface / projected capacitive type with USB interface
	Touch Controller	PenMount DMC9000 / EETI EXC7200 & EXC5400
System	CPU	2nd Generation Intel® Core™ i7/ i5/ i3 and Celeron® processor
	Chipset	Intel® HM65
	RAM	Support one 204-pin DDR3 SO-DIMM slot (Max. 4GB)
	Ethernet	Realtek RTL8111E PCIe GbE controller supporting ASF 2.0
	Audio Codec	
	Storage	2.5" SATA 6Gb/s SSD bay
	Input / Output	1 x RS-232 (DB-9) 1 x RS-232 (RJ-45) 1 x RS-422/485 (4-pin box header) 2 x GbE LAN (RJ-45) 2 x USB 2.0 2 x USB 3.0 1 x Mini USB 2.0 port on front panel 1 x Audio jack (line-out)
Other Features	Audio	AMP 3W + 3W (internal speaker)
	Camera	2 M pixels with low light function
	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)
	MSR Card Reader	MSR card reader (optional)
	OSD Function	LCD on/off, brightness up/down, volume up/down, Hot Key
	Ambient Light Sensor	Yes
	Infrared Remote Controller	Yes
	System Cooling	Smart fan
Connectivity	Wireless	IEEE 802.11b/g/n module Telec certified
	Construction Front Panel	PC + ABS Plastic
Physical	Mounting	Panel, Wall, Rack, Stand and Arm VESA 100 mm x 100 mm
	Color	Black
	Dimensions (WxHxD)(mm)	310 x 265 x 52.6
	Weight (N/G)	3.8 kg / 6.1 kg
Environment	Operating Temperature (°C) (Ambient with air flow)	-20°C ~ 50°C with SSD
	Storage Temperature (°C)	-20°C ~ 60°C
	Humidity	10% to 95% (non-condensing)
	IP Level	IP 64 compliant front panel
	Safety&EMC	CE / FCC
Power	Power Supply	90W power adapter Input: 100VAC~240VAC, 50/60Hz Output: 19VDC
	Power Requirement	9 ~ 36 VDC
	Power Consumption	19W@2.68A (Intel® Core™ i5-2510E processor with 4GB DDR3 memory)

## Ordering Information

Part No.	Description	
<b>Resistive Touch Screen</b> AFL2-12A-HM65/R-R15	12.1" 600cd/m <sup>2</sup> XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 2M camera, microphone, dual GbE LAN, R15	
<b>Projective Capacitive Touch Screen</b> AFL2-12A-HM65/PC-R15	12.1" 600cd/m <sup>2</sup> XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, dual GbE LAN, R15	
<b>CPU Selection</b>	CPU-MB-i7-2640M	2nd Generation Intel® Core™ i7 Processor [Mobile], PPGA-988, dual core 2.8GHz, 35W, iAMT
	CPU-MB-i5-2510E	2nd Generation Intel® Core™ i5 Processor [Mobile], PPGA-988, dual core 2.5GHz, 35W, iAMT
	CPU-MB-i3-2310M	2nd Generation Intel® Core™ i3 Processor [Mobile], PPGA-988, dual core 2.1GHz, 35W
	CPU-MB-CM-B810	Intel® Celeron® Mobile Processor, PPGA-988, dual core 1.6GHz, 35 W
	CPU-MB-CM-B710	Intel® Celeron® Mobile Processor, PPGA-988, single core 1.6GHz, 35 W
<b>Memory Selection</b>	DDR3-SO-1333-1GB	SO-DIMM DDR3 1333MHz 1GB
	DDR3-SO-1333-2GB	SO-DIMM DDR3 1333MHz 2GB
	DDR3-SO-1333-4GB	SO-DIMM DDR3 1333MHz 4GB

## Options

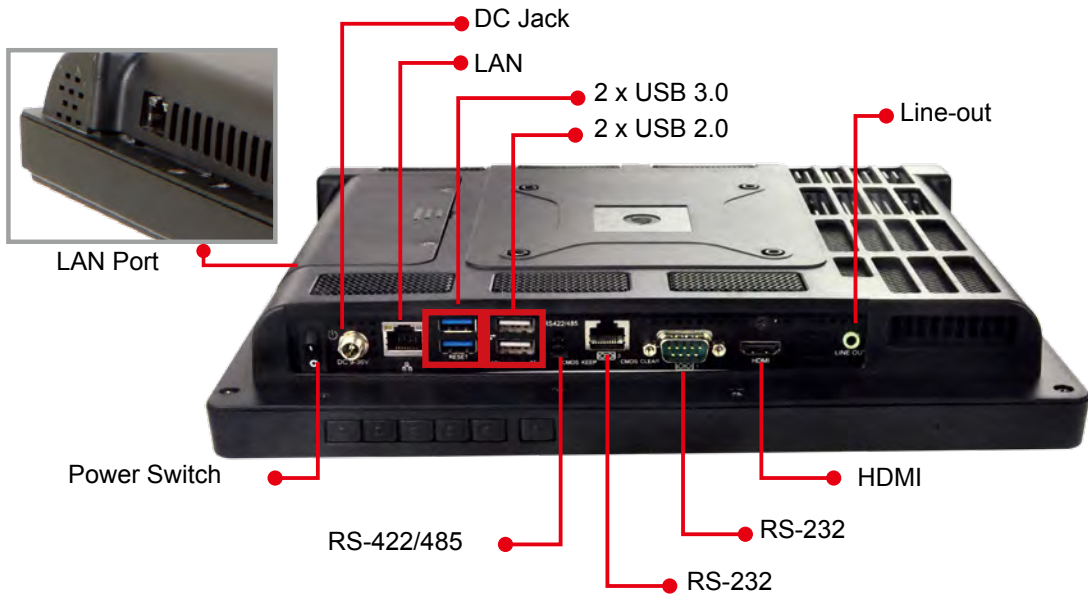
Item	AFL2-12A-HM65
Panel Mounting Kit	AFLPK-15
Wall Mounting Kit	AFLWK-19B
Rack Mounting Kit	AFL2RK-12
Arm	ARM-11-RS
Stand	STAND-A12-RS/STAND-A19-RS/STAND-A21-R10/STAND-C12-R10
V-Stand	VSTAND-A12-R11
Magnetic Stripe Reader Kit	AFL2P-12AMSR-U-R10
EM RFID Reader	AFL2-EM-RFID-KIT01-R10
Mifare RFID Reader	AFL2-MF-RFID-KIT01-R11
OS: Win XPE (2GB CF Card)	AFL2-12A-HM65-XPE-R15*
OS: Win XPE (4GB CF Card)	AFL2-12A-HM65-XPE-R15*
OS: Win 7 Embedded (4GB CF Card)	AFL2-12A-HM65-WES7P-R15* (for Projected Capacitive Touch) AFL2-12A-HM65-WES7E-R14* (for Resistive Touch)

\*OS image with CD-ROM or DVD-ROM

## Packing List

Item	P/N	Q'ty	Description
Utility CD		1	Drivers and user manual
One Key Recovery CD		1	
Power Adapter	63040-010090-120-RS (for AFL2-12A-HM65)	1	90W ;19VDC output
Power Cord	32702-000401-100-RS	1	1500 mm, European Standard
Power Transfer Cord	32702-000300-100-RS	1	
M3 Screw Pack	44013-030041-RS	4	M3*4 for securing HDD
M4 Screw Pack	44403-040061-RS	4	M4*4 VESA screw
Touch Pen	43125-0002C0-00-RS	1	
RJ-45 to DB-9 COM Port Cable	32005-000200-200-RS	1	
IR Remote Controller	7Z000-SLPCB005-RS	1	
RS-422 Cable	32205-002400-100-RS	1	
Pen	43125-0002C0-00-RS	1	For Resistive Touch

# AFL2-12A-HM65 Fully Integrated I/O



## AFL2-12A-HM65 Dimensions (Unit: mm)

